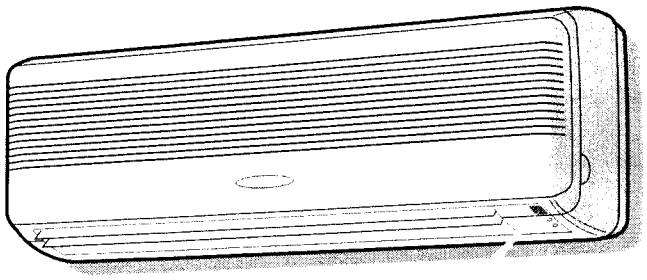
SHARP

INVERTER Air Conditioner

AY-X075E
AY-X095E



SPLIT TYPE ROOM AIR CONDITIONER
ZWEITEILIGES KLIMAGERÄT
CLIMATISEUR INDIVIDUEL EN DEUX PARTIES
ACONDICIONADOR DE AIRE DE DOBLE SERVICIO
CONDIZIONATORE D'ARIA DA CAMERA TIPO SPLIT
AR CONDICIONADO DE DUAS UNIDADES
ΑΙΡΚΟΝΤΙΣΙΟΝ ΔΩΜΑΤΙΟΥ ΤΥΠΟΥ SPLIT

ENGLISH
DEUTSCH
FRANÇAIS
ESPAÑOL
ITALIANO
PORTUGUÊS
ΕΛΛΗΝΙΚΑ

INDOOR UNIT	OUTDOOR UNIT
ZIMMERGERÄT	AUSSENGERÄT
UNIT INTERIEURE	UNIT EXTERIEURE
UNIDAD PARA INTERIORES	UNIDAD PARA EXTERIORES
UNITA' INTERNA	UNITA' ESTERNA
UNIDADE INTERIOR	UNIDADE EXTERIOR
ΕΣΩΤΕΡΙΚΗ ΣΥΣΚΕΥΗ	ΕΞΩΤΕΡΙΚΗ ΣΥΣΚΕΥΗ
AY-X075E	**AE-X075E**
AY-X095E	**AE-X095E**

OPERATION MANUAL
BEDIENUNGSANLEITUNG
NOTICE D'UTILISATION
MANUAL DE INSTRUCCIONES DE MANEJO
MANUALE DI ISTRUZIONE
MANUAL DE INSTRUÇÕES
ΕΓΧΕΙΡΙΔΙΟ ΛΕΙΤΟΥΡΓΙΑΣ

ENGLISH

Thank you for purchasing this Sharp product. Please read this manual carefully before operating the air conditioner.

CONTENTS

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- •PRECAUTION FOR INSTALLATION 1
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PRECAUTIONS FOR USE

1. Using a power circuit with improper voltage and frequency can result in damage to the unit and possibly fire.
   Use a circuit with a 220-240 volt (±10%) rating.
2. Open a window or door periodically to ventilate the room, especially when using gas appliances.
3. Inserting objects into the unit could result in injury due to rotation of the high-speed fans.
4. Pulling the power cord might result in damage or electrical shock. Do not misuse the power cord.
5. When using the air conditioner for infants, children, elderly, bedridden, or disabled people— make sure the room temperature is suitable for those in the room.
6. Always use a fuse with the correct current rating.

This unit is designed for human comfort. Do not use for applications such as a kennel or nursery to raise animals or plants.

PRECAUTIONS FOR INSTALLATION

LOCATION

- Do not locate the unit where there is excessive dust, fumes or moisture in the air.

REMOVAL

- Do not attempt to remove the unit yourself. Consult your dealer or other qualified service personnel for assistance.

This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

ADDITIONAL NOTES ON OPERATION

OPERATING TEMPERATURE RANGE

		INDOOR TEMP.	OUTDOOR TEMP.
COOLING	upper limit	32°C D.B. 23°C W.B.	43°C D.B. —
	lower limit	21°C D.B. 15°C W.B.	21°C D.B. —
HEATING	upper limit	27°C D.B. —	21°C D.B. 15°C W.B.
	lower limit	20°C D.B. —	-8.5°C D.B. -9.5°C W.B.

D.B. = Dry-bulb W.B. = Wet-bulb

- A built-in protective device might prevent the unit from operating when used out of this range.
- Condensation might form on the air outlet when the unit operates continuously in the COOL or the DRY mode when the humidity is over 80 percent.

PREHEATING FUNCTION

In the HEAT operation, the indoor fan might not start for two to five minutes after the unit is turned on to prevent the air from circulating before the unit is sufficiently warmed up.

DE-ICING FUNCTION

- When ice forms on the heat exchanger in the outdoor unit during the HEAT operation, an automatic de-icer provides heat for about 5 to 10 minutes to remove the ice. During de-icing, the inside and outside fans stop operating.
- After de-icing is completed, the unit automatically resumes operation in the HEAT mode.

HEATING EFFICIENCY

- The unit employs a heat pump that draws heat from the outside air and releases it into the room. The outside air temperature therefore greatly affects the heating efficiency.
- If low outside temperatures adversely affect the heating efficiency, use an additional heater.
- It takes time to warm up and heat the entire room because this unit employs a forced air circulation design.

ENGLISH

TIPS ON SAVING ENERGY

Below are some simple ways to save energy when you use your air conditioner.

SET THE CORRECT TEMPERATURE

- Setting the thermostat 1°C higher in COOL mode, and 2°C lower in HEAT mode than the desired temperature will result in a 10 percent saving in electricity.
- Setting the temperature colder than necessary during cooling will result in excess power consumption.

KEEP OUT DIRECT SUNLIGHT AND DRAFTS

- Keeping out direct sunlight when cooling will aid in reducing the power consumption.
- Close the windows and doors when heating and cooling the room.

SET PROPER AIR FLOW DIRECTION TO OBTAIN THE BEST AIR CIRCULATION

KEEP FILTER CLEAN TO ENSURE THE MOST EFFICIENT OPERATION

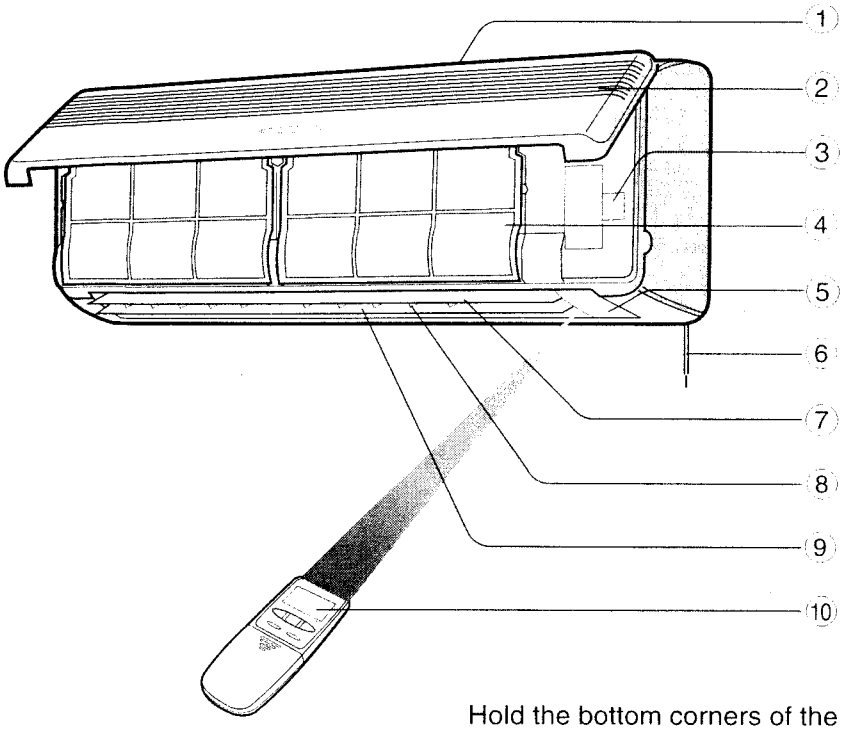
MAKE MOST OF THE TIMER OFF FUNCTION

UNPLUG THE POWER CORD WHEN THE UNIT IS NOT TO BE USED FOR AN EXTENDED PERIOD

- The indoor unit still consumes a small amount of power when it is not operating.

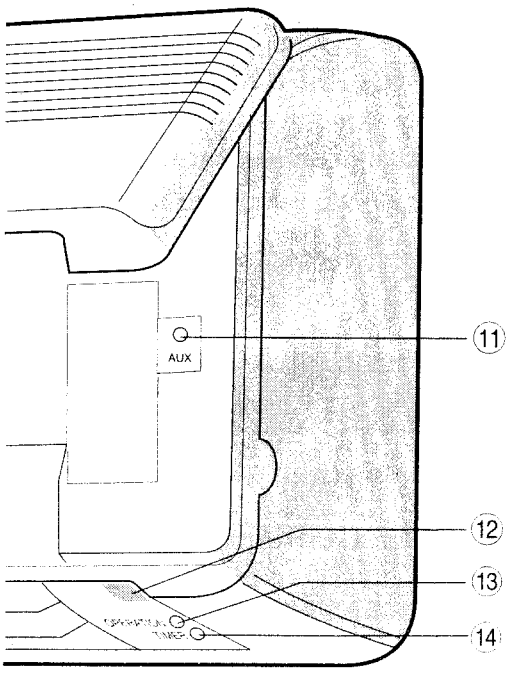
PART NAMES

INDOOR UNIT



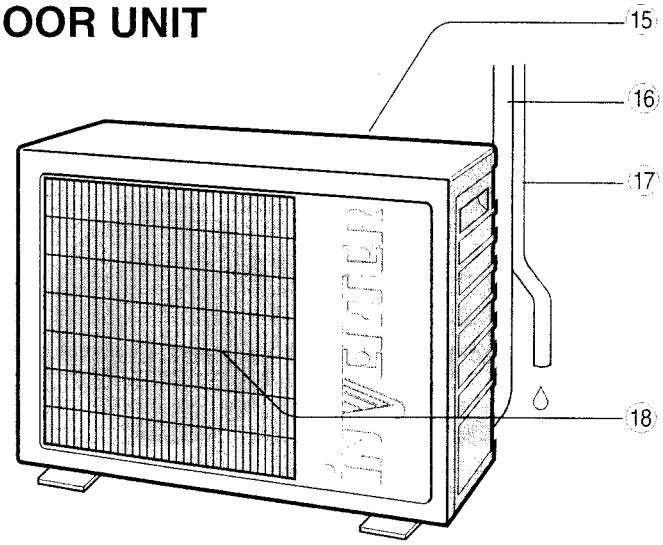
(1) **Inlet (Air)**
(2) **Open Panel**
(3) **Operation Panel**
(4) **Air Filters**
(5) **Indicator Panel**
(6) **Power Supply Cord**
(7) **Vertical Adjustment Louvre**
(8) **Horizontal Adjustment Louvres**
(9) **Outlet (Air)**
(10) **Remote Control**

Hold the bottom corners of the open panel and gently pull outwards.



(11) **AUX. Button**
(12) **RECEIVER Window**
(13) **OPERATION Lamp (red)**
(14) **TIMER Lamp (yellow)**

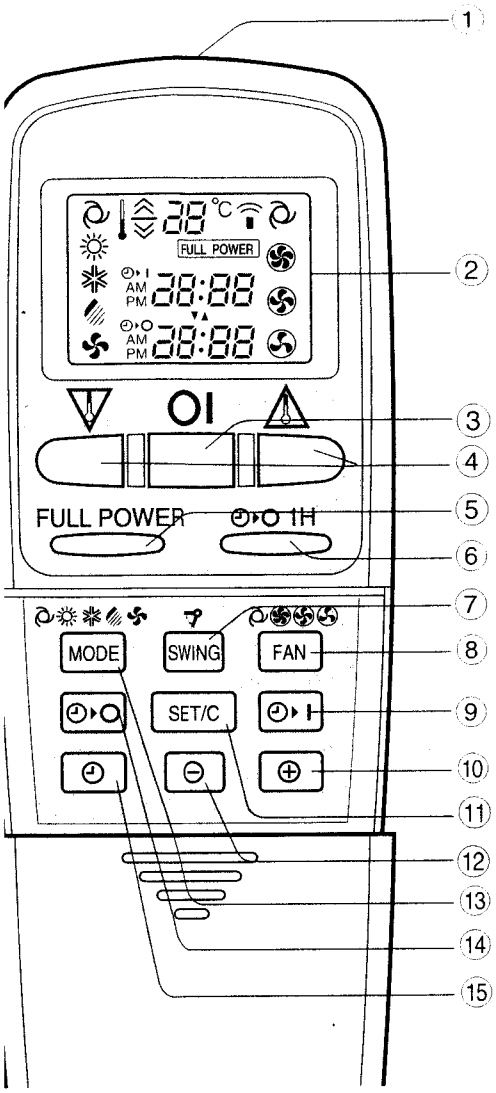
OUTDOOR UNIT



(15) **Inlet (Air)**
(16) **Refrigerant Tube and Interconnecting Cord**
(17) **Drainage Hose**
(18) **Outlet (Air)**

NOTE: Actual units might vary slightly from those shown above.

REMOTE CONTROL



① TRANSMITTER

② DISPLAY (Liquid Crystal Display)

③ ON/OFF Button

④ THERMO. (Thermostat) Button

⑤ FULL POWER OPERATION Button

⑥ ONE-HOUR TIMER Button

⑦ SWING Button

⑧ FAN Button

⑨ TIMER ON Button (for setting the timer)

⑩ TIME ADVANCE Button

⑪ TIMER SET/CANCEL Button

⑫ TIME REVERSE Button

⑬ MODE Button

⑭ TIMER OFF Button (for setting the timer)

⑮ CLOCK Button

ENGLISH

L.C.D. REMOTE CONTROL DISPLAY

⑯ THERMOSTAT SETTING FOR AUTO AND DRY MODES

⑰ TEMPERATURE SYMBOL

⑱ MODE SYMBOLS

- : AUTO : DRY
- : HEAT : FAN ONLY
- : COOL

⑲ TEMPERATURE INDICATOR FOR HEAT AND COOL MODES

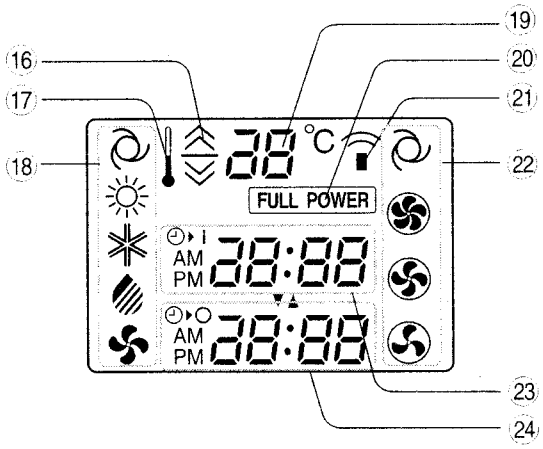
⑳ FULL POWER OPERATION MODE SYMBOL

㉑ TRANSMITTING SYMBOL

㉒ FAN SPEED SYMBOLS

: AUTO : LOW

: SOFT : HIGH



㉓ TIMER ON INDICATOR/CLOCK
Indicates the timer-on time or current time.

㉔ TIMER OFF INDICATOR
Indicates the timer-off time or one-hour timer setting.

USING THE REMOTE CONTROL

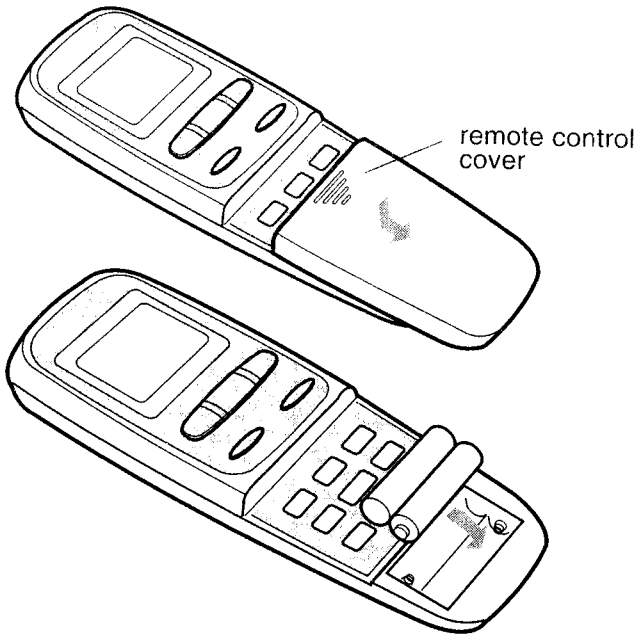
LOADING BATTERIES Use two size-AAA (R03) batteries.

1 Remove the remote control cover.

2 Insert the batteries in the compartment, making sure the ⊕ and ⊖ polarities are properly aligned.

- AM 6:00 will appear on the display when the batteries are properly loaded.

3 Replace the cover.



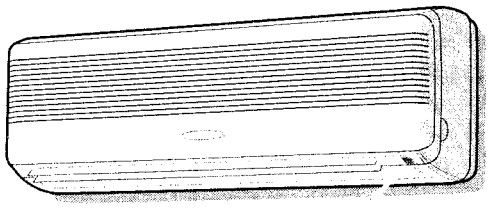
NOTES:

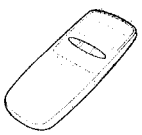
- The battery life is approximately one year with normal use.
- When you replace the batteries, always use two new ones of the same type.
- If the remote control does not operate normally after replacing the batteries, take out the batteries and replace them again after 20 seconds.
- If you will not be using the unit for a long time, remove the batteries from the remote control.

HOW TO USE THE REMOTE CONTROL

Point the remote control towards the unit's receiver window and press the desired button. A beep will sound when the unit receives the signal.

- Make sure no objects, such as curtains, are between the remote control and the unit.
- The remote control operates from up to 7 meters away.





CAUTION

- Do not expose the receiver window to strong, direct sunlight, which can adversely affect its operation. In such case, close the curtains to block the sunlight.
- Use of a fluorescent lamp with a quick starter in the same room might interfere with transmission of the signal.
- The unit might be affected by signals emitted from the remote control of a television, VCR or other equipment used in the same room.
- Do not leave the remote control in direct sunlight or near a heater. Also, protect the unit and remote control from moisture and shock which can discolour or damage them.

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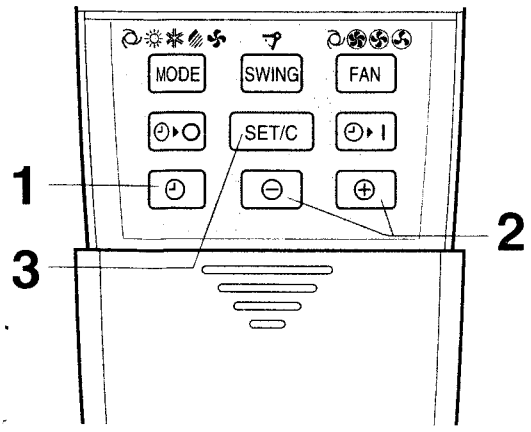
SET CURRENT CLOCK TIME

There are two setting modes: 12-hour-clock and 24-hour-clock.

Example: 5 o'clock in the afternoon

Clock	Display
12-hour-clock	PM 5:00
24-hour-clock	17:00



1 To set 12-hour-clock, press the CLOCK button once in the first step.

To set 24-hour-clock, press the CLOCK button twice in the first step.

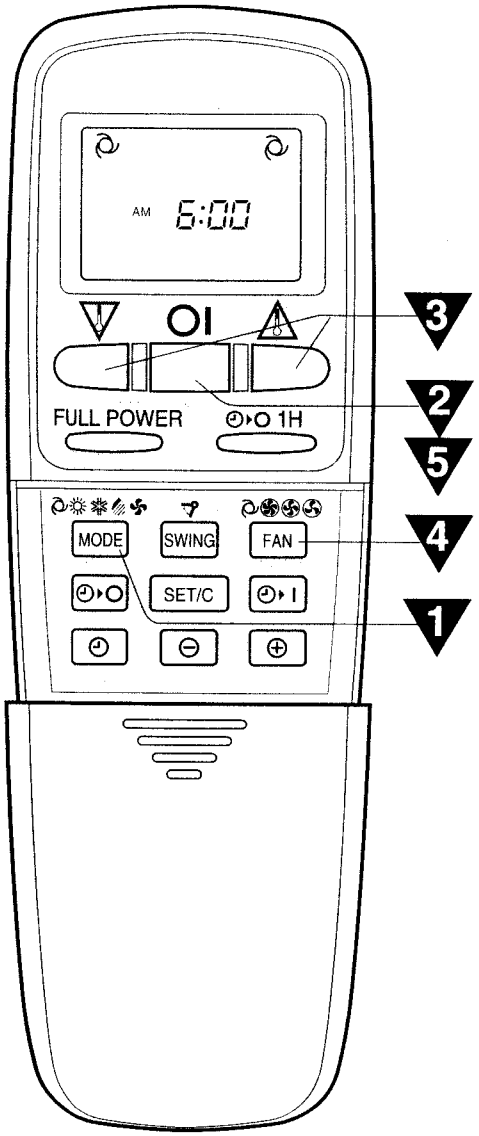
2 Press the TIME ADVANCE or REVERSE buttons to set the current clock time.
- Keep pressing each button to fast-forward or reverse the time display.

3 Press the SET/C button.
- The colon (:) blinks to indicate that the clock is functioning.

NOTE:

- The current time cannot be set, when the timer mode is programmed.

BASIC OPERATION



1 Press the MODE button to select the operation mode.

AUTO → HEAT → COOL → DRY → FAN ONLY

2 Press the ON/OFF button to start operation.

- The red OPERATION lamp of the unit will light up.

3 Press the THERMO button to set the desired temperature.

- In the AUTO and DRY mode, the indicator bars represent changes in temperature.

2°C higher
1°C higher
1°C lower
2°C lower

- In the HEAT and COOL mode, the temperature can be set within the range of 18 to 32 °C
- In the FAN ONLY mode, the temperature cannot be set.

4 Press the FAN button to set the desired fan speed.

AUTO → HIGH → LOW → SOFT

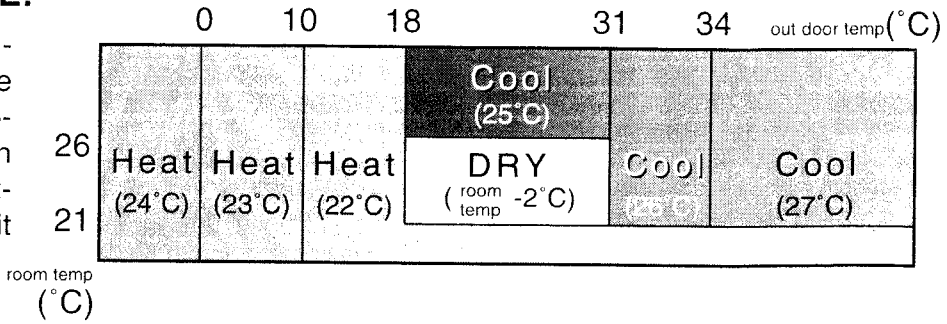
- In the DRY mode, the fan speed cannot be changed.
- In the FAN ONLY mode, the fan speed AUTO cannot be set.

5 To turn off the unit, press the ON/OFF button again.

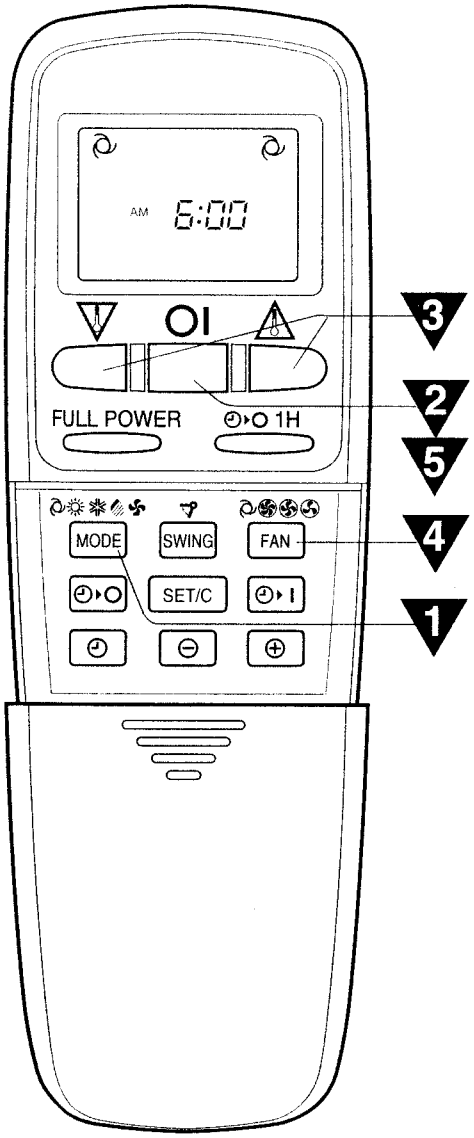
- The red OPERATION lamp of the unit will go out.

TIPS ABOUT AUTO MODE:

In the AUTO MODE, the temperature setting and mode (HEAT, COOL or DRY) are automatically selected depending on the room temperature and outdoor temperature when the unit is turned on.



BASIC OPERATION



1 Press the MODE button to select the operation mode.

AUTO HEAT COOL DRY FAN ONLY

2 Press the ON/OFF button to start operation.

- The red OPERATION lamp of the unit will light up.

3 Press the THERMO button to set the desired temperature.

- In the AUTO and DRY mode, the indicator bars represent changes in temperature.

2°C higher
1°C higher
1°C lower
2°C lower

- In the HEAT and COOL mode, the temperature can be set within the range of 18 to 32 °C
- In the FAN ONLY mode, the temperature cannot be set.

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AUTO HIGH LOW SOFT

- In the DRY mode, the fan speed cannot be changed.
- In the FAN ONLY mode, the fan speed AUTO cannot be set.

5 To turn off the unit, press the ON/OFF button again.

- The red OPERATION lamp of the unit will go out.

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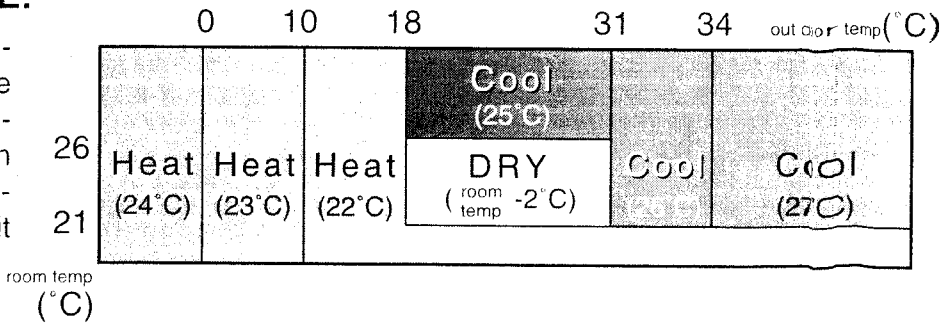
In the AUTO MODE, the temperature setting and mode (HEAT, COOL or DRY) are automatically selected depending on the room temperature and outdoor temperature when the unit is turned on.



ADJUSTING THE AIR FLOW DIRECTION

VERTICAL AIR FLOW

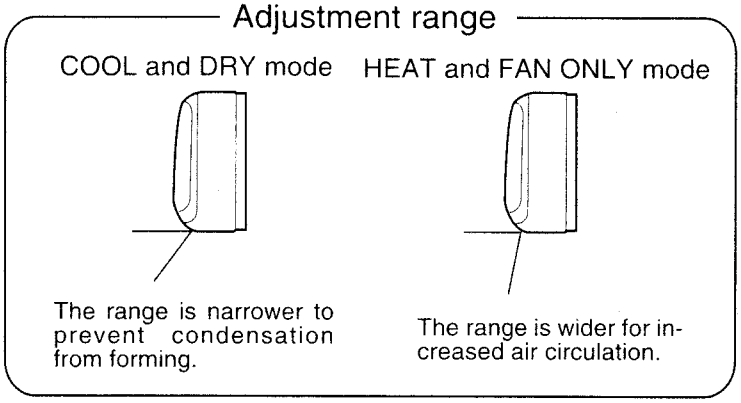
The direction of the air flow is automatically preset for the optimum effect in each mode as follows;

COOL and DRY mode	Horizontal air flow
HEAT and FAN ONLY mode	Diagonal air flow

HOW TO ADJUST THE AIR FLOW DIRECTION

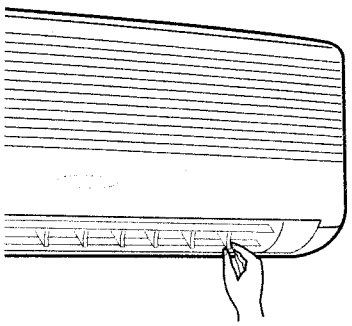
Press the AUTO SWING button once.
- The vertical adjustment louvre will swing continuously within the range shown.

Press the AUTO SWING button again when the desired position is reached and the louvre will stop.


Adjustment range
COOL and DRY mode
HEAT and FAN ONLY mode
The range is narrower to prevent condensation from forming.
The range is wider for increased air circulation.

HORIZONTAL AIR FLOW

Hold the horizontal adjustment louvres as shown and adjust the air flow direction.



⚠ CAUTION

Never attempt to adjust the vertical adjustment louvre manually.
- Manual adjustment of this louvre can cause the unit to malfunction when remote-controlled later.
- When the vertical adjustment louvers are adjusted extremely downward during COOL and DRY modes for an extended period of time, condensation might form.

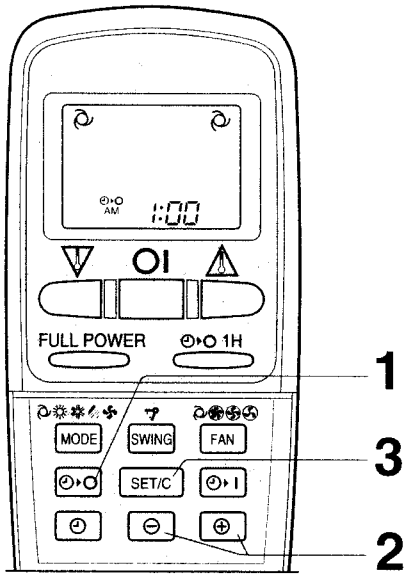
ENGLISH

TIMER OPERATION

NOTE:

Before setting the timer, check to see if the current clock time is properly set.

TIMER OFF



1 Press the TIMER OFF (◴▸○) button.

2 The TIMER OFF indicator will blink; press the TIME ADVANCE or REVERSE buttons to set the desired time. (The time can be set in 10-minute units.)

3 Point the remote control at the receiver window of the unit and press the TIMER SET (SET/C) button.

- The yellow TIMER lamp on the unit lights up.
- A beep will sound when the unit receives the signal.

TIPS ABOUT TIMER OFF OPERATION

When the TIMER OFF mode is set, the room temperature is automatically adjusted to prevent the room from becoming too hot or too cold while you sleep. (Auto sleep function)

COOL/DRY MODE:

- One hour after the timer operation has begun, the temperature rises 1°C higher than the thermostat setting.

HEAT MODE:

- One hour after the timer operation has begun, the temperature drops 3°C lower than the thermostat setting.

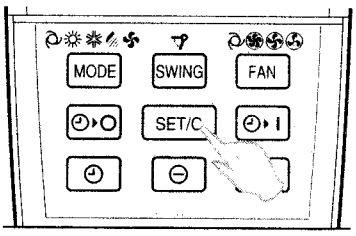
NOTE:

Auto sleep function will not activate during the FAN ONLY mode.

TO CANCEL TIMER MODE

Press the TIMER CANCEL (SET/C) button.

- The yellow TIMER lamp on the unit will go out.
- The current clock time will be displayed on the remote control.



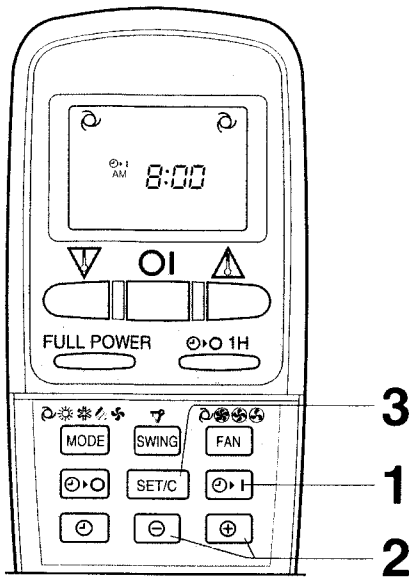
NOTE:

- If you combine the use of the ON and OFF TIMERS, both TIMERS will be canceled.

TO CHANGE TIME SETTING

First, cancel the TIMER, then set it again .

TIMER ON



1 Press the TIMER ON (⏲▸ |) button.

2 The TIMER ON indicator will blink; press the TIME ADVANCE or REVERSE buttons to set the desired time. (The time can be set in 10-minute units.)

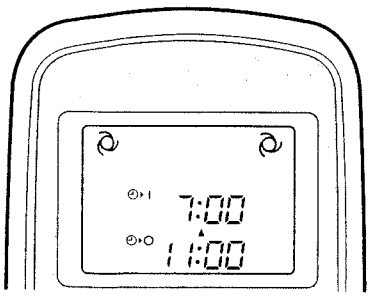
3 Point the remote control at the receiver window of the unit and press the TIMER SET (SET/C) button.
- The yellow TIMER lamp on the unit lights up.
- A beep will sound when the unit receives the signal.

4 Select the operation condition.
- The unit will turn on prior to the setting time to allow the room to reach the desired temperature by the programmed time. (Awaking function)

ENGLISH

COMBINED USE OF ON AND OFF TIMERS

You can combine the use of the ON and OFF timers.



Example:

Stop operation at 11:00 p.m. and resume operation (using the same settings) to obtain the desired room temperature by 7:00 a.m.

1 Set the TIMER OFF to 11:00 p.m. during operation.

2 Set the TIMER ON to 7:00 a.m.

The arrows (▼or ▲) between the TIMER ON indicator and the TIMER OFF indicator shows which timer will activate first.

NOTES:

- You cannot program the ON and OFF timers to different temperatures or other settings.
- Either timer can be programmed prior to the other.

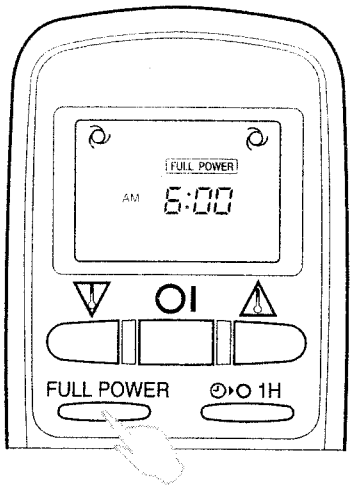
FULL POWER MODE

In this mode, the air conditioner works at maximum power operation. This mode makes the room cool or hot so rapidly that you can use it just after you come home.

1 To activate the FULL POWER mode, press the FULL POWER button during operation.

- FULL POWER is displayed on the remote control.
- The temperature display disappears.
- This mode will be automatically canceled after one hour's operation.

2 To cancel the FULL POWER mode, press the FULL POWER button again.

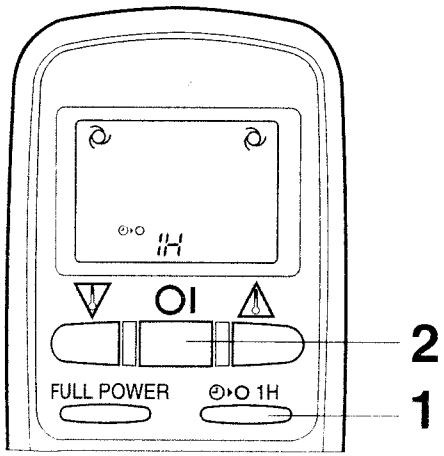


NOTES:

- You cannot use the FULL POWER mode during the DRY or the FAN ONLY mode.
- You cannot set the temperature during the FULL POWER operation.

ONE-HOUR TIMER

When the ONE-HOUR TIMER is set, the unit will operate for one hour after setting.



1 Press the ONE-HOUR TIMER button.

- "1 H" will be displayed on the remote control.
- The unit will operate for one hour.

2 To turn off the unit within an hour, press the ON/OFF button.

- The OPERATION lamp on the unit will go out.

If you wish to operate the unit for another hour, press the ONE-HOUR TIMER button again during operation.

NOTE:

- The ONE-HOUR TIMER operation has priority over other timer operations, such as TIMER ON and TIMER OFF.

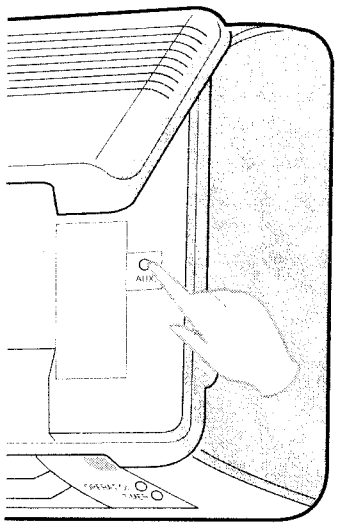
AUXILIARY MODE

Use this mode when the remote control is not available.

TO TURN ON

Lift the panel of the indoor unit and press the AUX. button on the operation panel.

- The red OPERATION lamp on the unit will light up and the unit will start operating in the AUTO mode.
- The fan speed and temperature setting are set to AUTO.



TO TURN OFF

Press the AUX. button on the operation panel again.

- The red OPERATION lamp on the unit will go out.

NOTE:

If the AUX. button is pressed during normal operation, the unit will turn off.

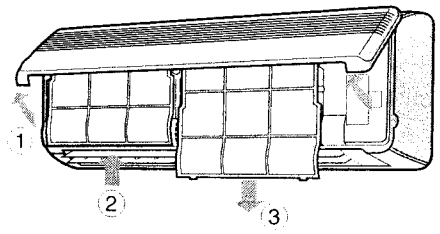
ENGLISH

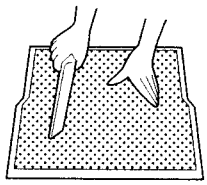
MAINTENANCE

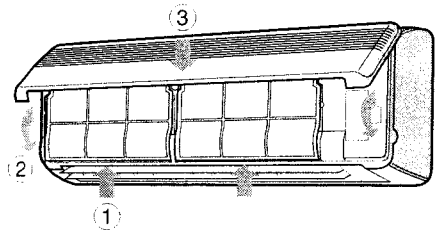
Be sure to unplug the power cord from the wall outlet or turn off the circuit breaker before performing any maintenance.

CLEANING THE FILTERS

The air filters should be cleaned every two weeks.







1 TURN OFF THE UNIT

2 REMOVE THE FILTERS

1 Lift up the panel.
2 Push the air filters up slightly to unlock them.
3 Pull the air filters down to remove them.

3 CLEAN THE FILTERS

Use a vacuum cleaner to remove the dust. If the filters are dirty, wash them with warm water and a mild detergent. Dry the filters in the shade before reinstalling.

4 REINSTALL THE FILTERS

1 Reinstall the filters.
2 Close the panel.
3 Push the center of the panel firmly to lock it in place.

CLEANING THE UNIT AND THE REMOTE CONTROL

- Wipe them with a soft cloth.
- Do not splash or pour water on them. It could result in electrical shock or damage to them.
- Do not use hot water, thinner, abrasive powders or strong solvents.

POST-SEASON CHECK

1 Operate the unit in the FAN ONLY mode for about half a day to allow the mechanism to thoroughly dry.

2 Stop the operation and unplug the unit. Turn off the circuit breaker, if you have one exclusively for the air conditioner.

3 Clean the filters, then reinstall them.

PRE-SEASON CHECK

1 Make sure that the air filters are not dirty.

2 Make sure that nothing obstructs the air inlet or outlet.

3 Check the outdoor mounting rack periodically for wear and to make sure it is firmly in place.

BEFORE CALLING FOR SERVICE

The following are normal conditions for the unit

UNIT DOES NOT OPERATE

The unit will not operate just after being turned off, or the mode being changed. This is to protect the mechanism. Wait 3 minutes for the unit to function.

WARM AIR DOESN'T COME OUT

The unit is preheating or de-icing.

ODORS

A peculiar odor exuded by the carpet or furniture might be emitted from the unit.

LOW NOISE

The soft, swishing noise is the sound of the refrigerant flowing inside the unit.

WATER VAPOUR

- In the COOL and DRY operation, water vapour can sometimes be seen at the air outlet due to the difference in temperature between the room air and the outlet air.
- In the HEAT operation, water vapour might come out of the outdoor unit during de-icing.

ENGLISH

If the unit appears to be malfunctioning, check the following points before calling for service.

IF THE UNIT FAILS TO OPERATE
Check to see if the circuit breaker has tripped or the fuse has blown.

IF THE UNIT FAILS TO COOL OR HEAT THE ROOM EFFECTIVELY		
Check the filters. If they're dirty, clean them.	Check the outdoor unit to make sure nothing is blocking the air inlet or outlet.	Check whether the thermostat is set properly.
Make sure windows and doors are closed tightly.	A large number of people in the room can prevent the desired temperature from being reached.	Check whether any heat-generating appliances are operating in the room.

IF THE UNIT FAILS TO RECEIVE THE REMOTE CONTROL SIGNAL		
Check whether the remote control batteries have become old and weak.	Try to send the signal again with the remote control pointed properly towards the unit's receiver window.	Check whether the remote control batteries are installed with the polarities properly aligned.